

### **Abstract**

A home network system which can efficiently configure a new home appliance in the home network system. The home network system includes at least one new device newly connected to a master device through a network, for transmitting a plugged-in request message containing an initial address through the network, receiving an address change request message containing a logical address, and changing the initial address to the logical address, and at least one master device connected to the new device through the network, for receiving the plugged-in request message from the new device, setting the logical address for the new device, and transmitting the address change request message containing the logical address to the new device, wherein the initial address comprises at least a product code and a logical address of the new device, and the new device changes the logical address to the logical address set by the master device.